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ABSTRACT

This bibliography lists 360 monographs, journal articles, research reports, and conference proceedings on interactive videodisc and educational applications of this technology. Materials through December 1988 are included. A sidebar provides background on interactive video technology. (MES)

MINNESOTA EXTENSION SERVICE
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TDC

# TDC Research Report No. 2

**February 1989**

## A Selected Interactive Videodisc Bibliography

Rae Montgomery and Scott Sayre

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**Telecommunications Development Center**
43 Classroom Office Building
1994 Buford Ave.
University of Minnesota
St. Paul, MN 55108
(612) 624-3616

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ABOUT THE TECHNOLOGY

# Interactive Videodisc

Rae Montgomery, Computer Specialist, TDC

(Reprinted from March 1988 issue of *TechNotes*)

People have been "interacting" with computers for several years through the use of computer databases, tutorials, decision aids, and expert systems. In addition, VCRs (video cassette recorders) and educational video have become affordable and popular. The combination of computer and video has resulted in a remarkable new educational technology -- interactive videodisc.

The merging of the two technologies into a single educational tool takes advantage of the searching and branching capabilities of the computer and the visual learning support of video. Branching, an action by which the user triggers a range of responses depending on previous actions, aids in the tutorial application of the technology, as well as having great potential for individualized instruction. And, video has proven to be an effective and efficient method of learning.

Research on the educational effectiveness of interactive videodisc technology has shown some interesting findings. It shows that students need significantly less time (up to 50 percent less) to complete the training, that they retain the information longer, and that they prefer it to other modes of instruction.

The videodisc is a flat, round, silver disc about the size and shape of a long play (lp) record. Compared to videotapes, which can contain over two hours of footage, videodiscs can contain action video and sound totaling one-half hour per side. However, the interactive nature of videodisc technology allows for quick, random access of the information contained on the disc.

Videodiscs can contain over 50,000 still frame video images per side, or they can contain a combination of action and still frame video images. Any of these frames can be accessed within three seconds. The discs feature two audio tracks over a single video segment. The dual audio tracks increase the audio capacity and are useful for remediation and foreign language tracks. The contents of the videodisc are permanent; no material can be changed, added, or deleted.

There are two components to interactive videodisc technology: the disc itself, and the computer program. The disc contains the video images and audio tracks. The computer program is written to access the videodisc, and it determines which video segments or still frames, along with audio messages, are presented to the user. The computer program also generates and determines what text will appear on the screen.

Videodiscs are created by first transferring slides, video, and audio to one-inch magnetic tape. The contents of the tape is then etched into a glass master disc. The master disc is used to stamp out identical copies of the optical discs. This process in not inexpensive. A videodisc production -- including designing, filming, editing, mastering, and programming -- can run from $50,000 to over $100,000.

Approximately 500 videodiscs are available commercially on a wide range of topics. Many of these discs can be repurposed for specific education and training needs. A computer program can be written that accesses only the parts of the disc desired.

As the following bibliography reveals, several versions of the presentation of the term "videodisc" are used. TDC has adopted the convention of this usage. However, titles in the bibliography were left as the original.

# A Selected Interactive Videodisc Bibliography

Rae Montgomery and Scott Sayre[1]


## ABSTRACT

*This monograph provides 360 interactive videodisc references compiled through December 1988. Interactive videodisc technology combines the searching and branching capabilities of the computer and the visual learning support of video. This technology provides an ideal system for individualized, self-paced instruction. Initial research in the effectiveness of interactive videodisc has identified three significant findings: reduced learning time, increased learning retention, and reduced training costs.*



Abrams, A., & Streit, L. (1986, September). Effectiveness of interactive video in teaching basic photography. Technological Horizons in Education, 14(8), 92-96.

Acker, S., & Gordon, J. (1986). Designing the group use videodisc socializing communication technology. Paper presented at 1986 International Communication Association annual meeting, Chicago, IL.

Ahl, D. (1982, January). Magazines of the future. Creative Computing, 8(1), 14.

Allard, K. E. (1982). The videodisc and implications for interactivity. Paper presented at the Annual Meeting of the American Educational Research Association, New York, March 1982, 11 pp. (ERIC Document Reproduction Service, ED 217 884)

Allen, R. J., & Allen, S. W. (1983, November). Computer-assisted videodisc: An African perspective. Performance and Instruction Journal, 22(9), 28-31.

Ambrom, S., & Hopper, K. (Eds.). (1988). Interactive multimedia: Visions of multimedia for developers, educators, and information providers. Redmond, WA: Microsoft Press. ISBN:1-55615-124-1.

Anderson, P., & Carr, E. (1982). Computer/video disk combo that really works! Kilobaud Microcomputing, 6(1), 102-108.

Andriessen, J. J., & Kroon, D. J. (1980, March). Individualized learning by videodisc. Educational Technology, 20(3), 21 25.

Arbeiter, L. (1985). Videodisc task force report. Special Report to Optical and Videodisc Technology at 1985 May conference in Chicago, IL.

Atkins, S. (1985, September). The Domesday project. Media in Education and Development, 18(3), 110-113.

Azbell, J. W. (1988). Interactive videodisc for teacher preparation: Decision making skills in reading instruction. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 145-149). Society for Applied Learning Technology.

Bailey, H. J., & Klinsing, S. (1988). An interactive videodisc instructional approach to teaching work attitudes. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 99-101). Society for Applied Learning Technology.

Bailey, H. J., & Klinsing, S. (1988, March). Employability skills: Using interactive video to keep students working. Technological Horizons in Education Journal, 15(7), 79-81.

Bainbridge, S. (1988). Efficacy of the interactive management skills training program: Design of research and results to date. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 63-68). Society for Applied Learning Technology.


[1]*The authors are, respectively, Assistant Extension Specialist and Research Assistant, Telecommunications Development Center, Minnesota Extension Service.*

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Balson, P. M., et al. (1985). Instructor-controlled versus student-controlled training in a videodisc-based paramedical program. Journal of Educational Technology Systems, 13(2), 123-130.

Barker, P., & Singh, R. (1985, October). A practical introduction to authoring computer assisted instruction. British Journal of Education Technology, 16(3), 218-236.

Barker, P. G. (1984). MUMEDALA: An approach to multi-media authoring. Computers and Education, 8(4), 463-469.

Barron, A. E. (1988). Computer boot camp: Interactive video training for computer literacy. In Association for the Development of Computer-Based Instructional Systems 30th International Conference Proceedings (pp. 168-173).

Baur, G., & Pigford, D. (1988). Building an expert system using IVA peripherals. In Association for the Development of Computer-Based Instructional Systems 30th International Conference Proceedings (pp. 174-177).

Bejar, I. (1982, June). Videodiscs in education: Integrating the computer and communications technologies. BYTE, 7(6), 78-104.

Bennion, J. L. (1974). Possible applications of optical video discs to individualized instruction systems. Provo, UT: Brigham Young University, Division of Instructional Research, Development, and Evaluation, Feb. 14, 1974, 10 pp. (ERIC Document Reproduction Service, ED 158 721)

Bennion, J. L., & Schneider, E. W. (1975). Interactive video disc systems for education. Provo, UT: Brigham Young University, Division of Instructional Research, Development, and Evaluation, Oct. 30, 1975, 19 pp. (ERIC Document Reproduction Service, ED 158 719)

Blizek, J. (1982). The First National Kidisc — TV becomes a plaything. Creative Computing, 8,(1), 106-110.

Boen, L. (1983). Teaching with an interactive video-computer system. Educational Technology, 23(3), 42-43.

Borgatti, R. H., & Nicolette, D. F. (1988). Interactive videodisc training for the hospitality industry. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 115-117). Society for Applied Learning Technology.

Bork, A., et al. (1977). Conference on intelligent videodisc systems. Brief informal summary. Irvine: University of California, December 1977, 14pp. (ERIC Document Reproduction Service, ED 163 978)

Bosco, J. J. (1984, April). Interactive video: Educational tool or toy? Educational Technology, 24(4), 13-19.

Bosco, J., & Wagner, J. (1988, June). A comparison of the effectiveness of interactive laser disc and classroom video tape for safety instruction of general motors workers. Educational Technology, 28(6), 15-22.

Braden, R. A. (1986, May). Visuals for interactive video: Images for a new technology (with some guidelines). Educational Technology, 26(5), 18-23.

Braden, R. A. (1985, September). Interactive video: A formative evaluation, Part 1. Educational Technology, 25(9), 33-34.

Braden, R. A. (1985, October). Interactive video: A formative evaluation, Part 2. Educational Technology, 25(10), 32-33.

Braden, R. A. (1985, November). Interactive video: A formative evaluation Part 3. Educational Technology, 25(11) 33-34.

Branch, C. E., Ledford, B. R., Robertson, B. T., & Robinson, L. (1987, March). The validation of an interactive videodisc as an alternative to traditional teaching techniques: Auscultation of the heart. Educational Technology, 27(3), 16-22.

Brandt, H. (1988, May). Lesson segments for a maintenance course. The Videodisc Monitor, 6(5), 26-27.

Brandt, R. C., & Knapp, B. H. (1982). Extension of TVCAI project to include demonstration of intelligent videodisc system. Hardware, software, and courseware implementation component. Final Report. Salt Lake City: University of Utah, Department of Computer Science, 1982, 34 pp. (ERIC Document Reproduction Service, ED 229 236)

Branson, R. K., & Foster, R. W. (1979). Educational applications research and videodisc technology. Journal of Educational Technology Systems, 8(3), 241-262.

Braun, L. (1978, January-February). Microcomputers and video disc systems: Magic lamps for educators? People's Computers, 6(4), 14-15, 47.

Brockett, J. R. (1988). Making interactive videodisc technology work for the industrial trainer—an interactive approach to teaching electronic troubleshooting skills. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 31-33). Society for Applied Learning Technology.

Brody, P. J. (1984). Research on and research with interactive video. Paper presented at the Annual Meeting of the American Educational Research Association (New Orleans, LA, April 23-27, 1984). (ERIC Document Reproduction Service, ED 246 885)

Bronson, M. B. (1985). Developing computerized assessment for young children. Paper presented at the Annual Meeting of the American Educational Research Association (69th, Chicago, IL., March 31-April 4, 1985).

Bunderson, C. V. (1983, November). A survey of videodisc projects at WICAT. Performance and Instruction Journal, 22(9), 24-25.

Bunderson, C. V. (1982, February). Will technology improve instructional productivity? Instructional Innovator, 27(2), 29, 44.

Bunderson, C. V. (1979). Instructional strategies for videodisc courseware: The McGraw Hill disc. Journal of Educational Technology Systems, 8(3), 207-210.

Bunderson, C. V., Hoekema, J., Hon, D., Wilson, R. L., Worcester, C., & Woodward, H. (1983, November). Interactive video: An elephant in search of a definition. Performance and Instruction Journal, 22(9), 4-5.

Bunderson, C. V. et al. (1984). Instructional effectiveness of an intelligent videodisc in biology. Machine-Mediated Learning, 1(2), 175-215.

Bunderson, C. V., et al. (1981). Proof-of-concept demonstration and comparative evaluation of a prototype intelligent videodisc system. Final report. Orem, UT. WICAT, Inc., Jan. 2, 1981, 74 pp. (ERIC Document Reproduction Service, ED 228 989)

Bunderson, C. V., et al. (1980). Instructional systems development model for interactive videodisc training delivery systems. Volume I: Hardware, software and procedures. Orem, UT: WICAT, Inc., June 1980, 108pp. (ERIC Document Reproduction Service, ED 220 071)

Bunderson, C. V., et al. (1979). A study of authoring alternatives for training-oriented videodiscs. Orem, UT: WICAT, Inc., September 1979, 80 pp. (ERIC Document Reproduction Service, ED 181 887)

Butcher, P. G. (1986). Computing aspects of interactive video. Computers and Education, 10(1), 1-10.

Buterbaugh, J. G. (1980). Alternative media storage/retrieval systems -- a futuristic forecast for educational technologies. Pullman, WA: Information Futures, November 1980, 36 pp. (ERIC Document Reproduction Service, ED 217 885)

Butler, D. W. (1981, February). 5 caveats for videodiscs in training. Instructional Innovator, 26(2), 16-18.

Campbell, J. O., et al. (1983). Interactive videodisc design and production workshop guide. Army Research Institute for the Behavioral and Social Sciences, Alexandria, VA.

Campbell, J. O., et al. (1983, December). Instructional systems development model for interactive videodisc: final report. WICAT, Inc., Orem, UT; Army Research Institute for the Behavioral and Social Sciences.

Carr, C., & Carr, E. (1982, June). VIC intelligent videodisc system. Compute!, 4(6), 46-49.

Chen, C. (1985, December 4). Micro-based optical videodisc applications. Microcomputer Information Management, 2(4), 217-239.

Chiarelott, L. (1984, May). Cognition and the mediated curriculum: Effects of growing up in an electronic environment. Educational Technology, 24(5), 19-22.

Ciarcia, S. (1982, June). Build an interactive-videodisc controller (Pioneer VP-1000). BYTE, 7(6), 60-74.

Clark, D. J. (1984). Exploring videodisc's potential. Biomedical Communications, 12(2) 34-36.

Clark. D. J. (1984). How do interactive videodiscs rate against other media? Instructional Innovator, 29(6), 12-16.

Clark, D. R. (1984, December). The role of videodisc in education and training. Media in Education and Development, 17(4), 190-192.

Coach, K. (1984, July). Televisions as monitors. BYTE, 9(7), 171-176.

Cohen, S. L., L'Allier, J. J., & Stewart, D. (1987, October). Interactive videodisc -- then, now, and minutes from now. Training and Development Journal, 41(10), 31-36.

Cohen, V. B. (1984). Interactive features in the design of videodisc materials. Educational Technology, 24(1), 16-20.

Comcowich, W. J. (1987, August). Expert systems: A new era in videodiscs. Educational and Industrial Television, 19(8), 23-25.

Cook, P. R. (1984, July). Electronic encyclopedias. BYTE, 9(7), 151-164.

Crowell, P. (1984, January-February). What videodiscs cost. Videodisc/Videotex, 4(1), 25-26.

Currier, R. L. (1983, November). Interactive videodisc learning systems. High Technology, 3(1), 51-59.

Curtis, J. C. (1988, May). Training as a major business strategy. The Videodisc Monitor, 6(5), 23-25.

Dahmke, M. (1984, July). An ideal video peripheral. BYTE, 9(7), 166-170.

Dalton, D. W. (1988). Using interactive video to foster cooperative learning: Research findings. In Association for the Development of Computer-Based Instructional Systems 30th International Conference Proceedings (pp. 220-226).

Dann, M. H. (1973). The videocassette and video disc in the development of the communications media. Paper presented at the International Market for Videocassette and Videodisc Programmes and Equipment (3rd, Cannes, France, Sept. 28-Oct. 3, 1973). (ERIC Document Reproduction Service, ED 084 790)

Davidove, E. A. (1986, August). Design and production of interactive videodisc programming. Educational Technology, 26(8), 7-14.

Davis, G. E., & Schach, S. R. (1987-88). Mentor/MacVideo: A videodisc authoring system for educators who are not computer specialists. Journal of Educational Technology Systems, 16(2), 171-194.

Daynes, R. (1982). Experimenting with videodiscs. Instructional Innovator, 27(2), 24-25.

Daynes, R. (1982). The videodisc interfacing primer. BYTE, 7(5), 48-59.

Daynes, R., & Butler, B. (1984). The videodisc book: A guide and directory. New York: John Wiley & Sons, Inc. ISBN:0-471-80342-1.

Daynes, R., & Holder, S. (1984, July). Controlling videodiscs with micros. BYTE, 9(7), 207-228.

DeBloois, M. L. (1988, June). Use and effectiveness of videodisc training. The Videodisc Monitor, 6(6), 23-25.

DeBloois, M. L. (Ed.). (1982). Videodisc/microcomputer courseware design. Englewood Cliffs, NJ: Educational Technology Publications. ISBN:0-87778-183-4.

DeChenne, J., & Evans, R. (1982, January). Simulating medical emergencies. Instructional Innovator, 27(1), 23.

Deshler, D, & Gay, G. (1986, December). Educational strategies for interactive videodisc design. Educational Technology, 26(12), 12-16.

Dodds, P. V. (1988, Summer). Incorporating artificial intelligence into interactive systems design. Journal of Interactive Instruction Development, 1(1), 5-6.

Donahue, T. J., & Donahue, M. A. (1983, December). Understanding interactive video. Training and Development Journal, 37(12), 26-31.

Doulton, A. (1984, December) Interactive video in training. Media in Education and Development, 17(4), 205-206.

Downes, K. (1985, October). Videodisc development. Systems International, 13(10), 93-94.

Eastwood, L. F., Jr. (1978). Motivations and deterrents to educational use of "intelligent videodisc" systems. Journal of Educational Technology Systems, 7(4), 303-335.

Ebner, D. G. (1984, March). Current issues in interactive videodisc and computer-based instruction. Instructional Innovator, 29(3), 24-29.

Ebner, D. G., et al. (1984). Videodiscs can improve instructional efficiency. Instructional Innovator, 29(6), 26-28.

Edison-Swift, P. D. (1986, April). Interactive Video Resources. North Central Computer Institute Staff Paper Series, No. 15, Madison, WI.

Edwards, S. (1986, January). The video Nova authoring system. Optical Information Systems, 6(1), 38-45.

Ehrlich, L. R. (1984). Simulations using a computer/videodisc system: Instructional design considerations. Paper presented at the Annual Meeting of the North American Simulation and Gaming Association (23rd, Iowa City, IA, Oct. 10-12, 1984).

Eisele, J. E. (1984, January). Instructional computing. Educational Technology, 24(1), 34-37.

Emmens, C. A. (1982, January). Videodisc software: Current developments. School Library Journal, 28(5), 39.

Evans, A. (1975, May). Videodisc on the horizon. Audiovisual Instruction, 20(5), 31-33.

Falk, D. R., & Carlson, H. L. (1988). Using interactive videodiscs to increase sensitivity to human diversity. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 150-154). Society for Applied Learning Technology.

Farr, R., & Wolf, R. L. (1981, March). ABC/NEA SCHOOLDISC: A more careful examination. Phi Delta Kappan, 26(7), 516-518.

Fedale, S. (1985, August). A video template for pretesting the design of an interactive video program. Educational Technology, 25(8), 30-31.

Fedale, S. (1982, September). Interactive video in the Pacific Northwest. Technological Horizons in Education Journal, 10(1), 124-126.

Fletcher, J. D. (1988, April). An approach to achieving courseware portability. The Videodisc Monitor, 6(4), 16-17.

Florell, R. J., & Nugent, R. W. (1985, Spring). The videodisc: More than a toy. Journal of Extension, 23, 17-19.

Floyd, S., & Floyd, B. (Eds.). (1982). Handbook of interactive video. White Plains, NY: Knowledge Industry Publications. ISBN:0-86729-019-6.

Fort, W. (1984, October). A primer on interactive video. AV Video, 6(10), 39-41.

Frenzel, L. (1981, April). Microcomputer and the video disk. Interface Age, 6(4), 40-41.

Freund, A. L. (1985). A regional bibliographic database on videodisc. Library Hi Tech, 3(2), 7-9.

Fuller, R. G. (1985, January). From the Dragon's Lair to Tacoma Bridge. Videodisc and Optical Disc, 5(1), 37-51.

Fuller, R. G. (Ed.). (1983). Using interactive videodiscs in Open University courses. Paper presented at Open University workshop (England); Open University, Walton, Bletchley, Bucks; Institute of Educational Technology.

Galbraith, G., et al. (1979, September). Interfacing an inexpensive home computer to the videodisc: Educational applications for the hearing impaired. American Annals of the Deaf, (Educational Technology for the 80's), 124(5), 536-541.

Gale, L. E. (1983, June). Montevidisco: An anecdotal history of an interactive videodisc. CALICO Journal, 1(1), 42-46.

Garrett, T. J., Savage, D. G., & Hendrickson, G. (1988). Development of a microcomputer-videodisc instructional program using a "generic" videodisc and an authoring system. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 166-167). Society for Applied Learning Technology.

Gayeski, D. M. (1987, July-August). Making interactive systems more interactive: New approaches to software tools. Optical Information Systems, 7(4), 297-300.

Gayeski, D. M. (1985, December) New designs for new media. Training and Development Journal, 39(12), 34-35.

Gayeski, D. M. (1984-85). Interactive video: integrating design "levels" and hardware "levels". Journal of Educational Technology Systems, 13(3), 145-151.

Gitt, A. P. (1988). Networked training systems using 2D/3D simulations and videodisc augmentation for the U.S. Marines. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 56-62). Society for Applied Learning Technology.

Glenn, A., & Kehrberg, K. (1981, October). Intelligent videodisc: An instructional tool for the classroom. Educational Technology, 2(10), 60-63.

Glenn, A. D. (1983, May). Videodiscs and the social studies classroom. Social Education, 47(5), 328-330.

Glenn, A. D., et al. (1984, March). Teaching economics: Research findings from a microcomputer/videodisc project. Educational Technology, 24(3), 30-32.

Gower, A. (1984, May). Video disc peripherals. Systems International, 12(5), 35-36.

Gower, A. (1984, February). Interactive video and the micro. Systems International, 12(2), 16-17.

Grabowski, B. (1982). A symposium: relevant cue research, a program of systematic evaluation: Considerations for sustaining instructional design research using an integrated learning system. Paper presented at the Annual Meeting of the Association for Educational Communications and Technology, Research and Theory Division (Dallas, TX, May 1982). (ERIC Document Reproduction Service, ED 223 198)

Grabowski, B., & Aggen, W. (1984). Computers for interactive learning. Instructional Innovator, 29(2), 27-30.

Gray, R. A. (1978, December). Watch out for videodiscs in your future. Audiovisual Instruction, 23(9), 19.

Gray, R. A. (1978, January). Videodisc technology: Its potential for libraries. School Library Journal, 24(5), 22-24.

Griffiths, M. (1984, December). Planning for interactive videodisc. Media in Education and Development, 16(4), 197-200.

Hancock, R. (1985, September). Interactive videodisc for learners of French. Media in Education and Development, 17(3), 121-123.

Hannafin, M. (1985). Empirical issues in the study of computer-assisted interactive video. Educational Communication and Technology Journal, 33(4) 235-247.

Hannafin, M. J. (1984). Options for authoring instructional interactive video. Journal of Computer-Based Instruction, 11(3), 98-100.

Hannafin, M. J., & Hughes, C. W. (1986). A framework for incorporating orienting activities in computer-based interactive video. Instructional Science, 15(3), 239-255.

Hannafin, M. J. & Phillips, T. L. (1987, Fall). Perspectives in the design of interactive video: Beyond tape versus disc. Journal of Research and Development in Education, 21(1), 44-60.

Hannafin, M. J., Phillips, T. L., & Tripp, S. D. (1986, Autumn). The effects of orienting, processing, and practicing activities on learning from interactive video. Journal of Computer-Based Instruction, 13(4), 134-139.

Hannaway, D. B., Ballerstedt, P. J., Shuler, P. E., Connell, D. P., & Osterman, D. N. (1988, Fall). An interactive videodisc module for forage quality and testing instruction. Journal of Agronomic Education, 17(2), 119-121.

Harless, W. G. (1986, Autumn). An interactive videodisc drama: The case of Frank Hall. Journal of Computer-Based Instruction, 13(4), 113-116.

Hart, A. (1984, December). Interactive video. Media in Education and Development, 17(4), 207-208.

Hasselbring, T., Sherrwood, R , Braansford, J., Fleenor, K., Griffith, D., & Goin, L. (1987-88). An evaluation of a level-one instructional videodisc program. Journal of Educational Technology Systems, 16(2), 151-169.

Have, P., & Zembrosky-Barkin, G. (1985). Interactive video in general and special education: A development manual. International Council for Computers in Education, Eugene, OR; University of Oregon, Eugene. Rehabilitation Research and Training Center in Mental Retardation.

Hawthorne, D. L. (1986, December). How far should the "concept stage" go? Educational and Industrial Television, 18(12), 15-19.

Helgerson, L. W. (1986, September). What to focus on when selecting a videodisc system. Performance and Instruction Journal, 25(7), 6-10.

Helsel, S. K. (1988, January-February). Videodisc in the public schools. Optical Information Systems, 8(1), 29-37.

Helsel, S. K. (1987, March-April). The curricular domain of educational interactive videodisc. Optical Information Systems, 7(2), 107-112.

Henderson, R. B., & Sales, G. C. (1988, July). A guide for the review of interactive videodisc instruction. Performance and Instruction, 27(6), 17-20.

Hetzel, M. (1986, April). A good home for good instruction. Data Training, 5(5), 43-45.

Hiraki, J., & Garcia, O. N. (1981, May-June). Setting the stage for the interactive classroom of the 1980s. Educational Computer Magazine, 1(1), 20-22.

Hiscox, M. D. (1982, Spring). A summary of the practicality and potential of videodiscs in education. Videodisc/Videotex, 2(2), 99-109.

Hiscox, M. D. (1981). Integrating testing and instruction using the videodisc. Paper presented at the Annual Conference of the Society for Applied Learning Technology (Los Angeles, CA, Aug. 12, 1981). (ERIC Document Reproduction Service, ED 208 877)

Ho, C. P., Savenye, W., & Haas, N (1986, Autumn). The effects of orienting objectives and review on learning from interactive video. Journal of Computer-Based Instruction, 13(4), 126-129.

Hockema, J. (1983, November). Interactive videodisc: A new architecture. Performance and Instruction Journal, 22(9), 6-7.

Hofmeister, A. M., & Thorkildsen, R. J. (1981, Summer). Videodisc technology and the preparation of special education teachers. Teacher Education and Special Education, 4(3), 34-39.

Holloway, R. E. (1982, Spring). The videodisc in education: A case for technological gradualism. Videodisc/Videotex, 2(2), 132-137.

Holmgren, J. E., Dyer, F. N., Hilligos, R. E., & Heller, F. H. (1979-80). The effectiveness of army training extension course lessons on videodisc. Journal of Educational Technology Systems, 8(3), 263-275.

Hon, D. (1983, November). The promise of interactive video -- an affective search. Performance and Instruction Journal, 22(9), 21-22.

Hon, D. (1982, June). Interactive training in cardiopulmonary resuscitation. BYTE, 7(6), 108-138.

Hon, D. C. (1981, December). Space invaders, videodiscs and the "bench connection." Training and Development Journal, 35(12), 10-17.

Hosie, P. (1987, July). Adopting interactive videodisc technology for education. Educational Technology, 27(7), 5-10.

Hotes, R. W. (1988). Development of a program for evaluating training outputs using a data envelopment analysis approach. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 78-84). Society for Applied Learning Technology.

Houston, N. P. (1988). Using interactive videodisc in an introductory computer class. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 133-135). Society for Applied Learning Technology.

Howe, S. (1984, January). Interactive video. Instructor, 93(5), 108-110.

Howe, S. F. (1985, January). Interactive video: Salt and pepper technology. Media and Methods, 21(5), 12.

Howe, S. F. (1984, May-June). Future trends in electronic teaching. Media and Methods, 20(9), 22-23.

Hunter, G. M. (1988). Program evaluation for interactive videodisc technical training. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 24-27). Society for Applied Learning Technology.

Huntley, J., & Alessi, S. (1985, September). Evaluation of Introduction to Computer Literacy and Discwriter authoring system. Videodisc and Optical Disk, 5(5), 356-371.

Huntley, J. S., & Alessi, S. M. (1987, July-August). Videodisc authoring tools: Evaluating products and a process. Optical Information Systems, 7(4), 199-281.

Ingalls, R. E. (1977). Intelligent video disc as a major component of individualized instruction. 1977, 11 pp. (ERIC Document Reproduction Service, ED 154 837)

Ingraham, L. W. (1980, November-December). Is there a videodisc in your future? Social Education, 44(7), 641-643.

Interactive videodisc for special education technology. Final report. Utah State University, Logan, 1982, 256 pp. (ERIC Document Reproduction Service, ED 230 187)

Information resources on interactive video: A selected source ERIC bibliography. (1984, July). ERIC Clearinghouse on Information Resources, Syracuse, NY 13210. (ERIC Document Reproduction Service, ED 254 215)

Isbouts, J. P. (1988, Summer). Game strategies in instructional design: The American Express travel game as a concept in programming public access information. Journal of Interactive Instruction Development, 1(1), 7-11.

Iuppa, N. V. (1984). A practical guide to interactive video design. White Plains, NY: Knowledge Industry Publications. ISBN:0-86729-041-2.

Iuppa, N. V., & Anderson, K. (1988). Advanced interactive video design. White Plains, NY: Knowledge Industry Publications. ISBN:0-86729-170-2.

Jarvis, S. (1984, July). Videodiscs and computers. BYTE, 9(7), 187-203.

Johnson, J. F., Widerquist, K. L., Birdsell, J., & Miller, A. (1985, December). Storyboarding for interactive videodisc courseware. Educational Technology, 25(12), 29-35.

Jonassen, D. H. (1985, June). Interactive lesson designs. A taxonomy. Educational Technology, 25(6), 7-17.

Jonassen, D. H. (1984, January). The generic disc: Realizing the potential of adaptive interactive videodiscs. Educational Technology, 24(1), 21-24.

Jones, L. L., & Smith, S. G. (1988). Interactive video laboratory course for general chemistry. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 102-105). Society for Applied Learning Technology.

Jones, M. K. (1987, January-February). Interactive videodisc and the self-directed learner. Optical Information Systems, 7(1), 62-65.

Jones, T. (1988, September). "Dovetailing chunks": A technique for optimizing interactive videodisc design. Technological Horizons in Education Journal, 16(2), 90-94.

Jones, T. (1987-88). C.A.S.T. -- a level IV sonar trainer. Journal of Educational Technology Systems, 16(1), 65-73.

Kalowski, N. (1986, April) Interactive video a la carte. Data Training, 5(5), 46-47.

Kalowski, N. (1985, May 13) The marriage of video and computer graphics. Computerworld, 19(19), 29-32.

Kalowski, N. (1985, January). Video interfaces for personal computers. Educational and Industrial Television, 17(1), 45+.

Kannan, N. (1986, July). The true power of interactive video: The role of the authoring language. Videodisc Monitor, 4(7), 18-19.

Karlstein, P. J. (1988). Fighting high school illiteracy: The PALS project in Brooklyn (IBM PCs and compatibles special issue). Technological Horizons in Education Journal, 49-54.

Karwin, T. J. (1985, August). Applying cognitive science and interactive videodisc technology to precalculus mathematics learning modules. Technological Horizons in Education Journal, 13(1), 57-63.

Kearsley, G. (1988). Beyond authoring: Software tools can help manage program development. Instructional Delivery Systems, 2(1), 15-20.

Kearsley, G. P., & Frost, J. (1985, March). Design factors for successful videodisc-based instruction. Educational Technology, 25(3), 7-13.

Keener, J. R., & Bright, L. K. (1983, October). Micros and interactive videodiscs for improving access to health education. Health Education, 4(5), 47-50.

Kehrberg, K. T., & Pollack, R. A. (1982, January). Videodiscs in the classroom: An interactive economics course. Creative Computing, 8(1), 98-102.

Kellner, C. (1982, January). V is for videodisc. Creative Computing, 8(1), 104-105.

Kemph, J. (1981, May). Videodisc comes to school. Educational Leadership, 38(8), 646-469.

Kenworthy, N. W. (1988). Using interactive videodisc for remedial math skills training. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 28-30). Society for Applied Learning Technology.

Kenworthy, N. W. (1988, January/February). Interactive videodisc isn't always the best solution. Instruction Delivery Systems, 2(1), 6-8.

Kern, G. M., & Matta, K. F. (1986). The role of interactive videodiscs in computer-aided instruction. Computers and Industrial Engineering, 11(1-4), 288-292.

Kirchner, G. (1982, Fall). Simon Fraser University videodisc project: Part one: Design and production of an interactive videodisc for elementary school children. Videodisc/Videotex, 2(4), 257-287.

Kirchner, G., Martyn, D., & Johnson, C. (1983, Winter). Simon Fraser University videodisc project: Part two: Field testing an experimental videodisc with elementary school children. Videodisc/Videotex, 3(1), 45-47.

Kirkpatrick, L. (1985, October). The physics teacher and the videodisc. Physics Teacher, 23(7), 413-418.

Korten, N. (1983, November). Videodisc bibiography. Performance and Instruction Journal, 22(9), 34-35.

Kribs, H. D. (1979). Authoring techniques for interactive videodisc systems. Journal of Educational Technology Systems, 8(3), 211-219.

LaGow, R. L. (1979). Instructional development related to an intelligent videodisc. Journal of Educational Technology Systems, 8(3), 231-239.

Lambert, S., & Sallis, J. (Eds.). (1986). CD-I and interactive videodisc technology. Indianopolis: Howard W. Sams and Co. ISBN:0-672-22513-1.

Laumer M. (1982, June). Interpretive language used to program the CPR system. BYTE, 7(6), 126-130.

Laurillard, D. (1985, March). The Teddy's Bear disc. Media in Education and Development, 18(1), 37.

Laurillard, D. M. (1984, June). Interactive video and the control of learning. Educational Technology, 24(6), 7-15.

Lehman, J. D. (1988, March). Teacher-developed IV courseware: A BASIC approach. Technological Horizons in Education Journal, 15(7), 65-66.

Lehman, J. D. (1986). Interactive video -- a powerful new tool for science teaching. Journal of Computers in Mathematics and Science Teaching, 5(3), 24-29.

Leonard, William H. (1985). Biology instruction by interactive videodisc or conventional laboratory: A qualitative comparison. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching (58th, French Lick Springs, IN, April 15-18, 1985). (ERIC Document Reproduction Service, ED 258 811)

Levenson, P. M. (1983, October). Interactive video: A new dimension in health education. Health Education, 14(6), 36 38.

Leveridge, L. L. (1983, April). The interactive videodisc. MOBIUS, (Technology and the Future of Continuing Education), 3(2), 68-72.

Leveridge, L. L. (1979). Experience in educational design for interactive videodisc and QuadraSync presentations. Journal of Educational Technology Systems, 8(3), 221-230.

Lindsey, J. (1984, September). The challenge of designing for interactive video. Instructional Innovator, 29(9), 17-19.

Lippke, J. A. (1987, August). Interactive video discs: Entering the mainstream of business. Educational and Industrial Television, 19(8), 12-17.

Lippke, J. A. (1987, May). Interactive videodisc production: Short segments raise continuity problems. Educational and Industrial Television, 19(5), 30-34.

Lippke, J. A. (1987, April). Scripting: More complicated than you might think. Educational and Industrial Television, 19(4), 22-27.

Lippke, J. A. (1987, March). Finally, the final plan. Educational and Industrial Television, 19(3), 35-40.

Lippke, J. A. (1987, February). Early planning -- finding answers to all the questions. Educational and Industrial Television, 19(2), 26-31.

Lipson, J. (1980-81). Design and development of programs for the videodisc. Journal of Educational Technology Systems, 9(3), 277-285.

Lipson, J. I., & Fisher, K. M. (1982). Public education and electronic technologies. Madison: Wisconsin Center for Education Research, June 1982, 43 pp. (ERIC Document Reproduction Service, ED 226 725)

Locatis, C., & Carr, V. (1985). Selecting authoring systems. Journal of Computer-Based Instruction, 12(2), 28-33.

Lockwood, L. (1988, March/April). The service economy needs interactive video. Instruction Delivery Systems, 2(2), 6-9.

Logan, J., & Schlieben, D. (1985, April 29). Touch screen input emerges from specialty markets, enters mainstream as aid for video-based training. Computerworld, 19(17), 48-49.

Long, H. S. (1981, May). The videodisc: A picture book in the round. Technological Horizons in Education Journal, 8(4), 39-42.

Love, J. (1979, October). The videodisc: Television's new horn of plenty. Media and Methods, 16(2), 16-18, 22-23, 89

Lovece, F. (1984, April). Interactive video interface devices and buyer's guide. Electronic Learning, 3(7), 60-65.

Lyness, A. L. (1985). Effectiveness of interactive video to teach CPR theory and skills. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (Anaheim, CA, Jan. 17-23, 1985). (ERIC Document Reproduction Service, ED 256 324)

Lubar, D. (1982, January). Adventures in videoland. Creative Computing, 8(1), 60-78.

Lubar, D. (1981, January). Videodiscs in education (dawn of the disc). Creative Computing, 7(1), 50-54.

Magel, M. (1988, March). Generic courseware cornucopia. AV Video, 10(3), 31-57.

Magel, M. (1987, October). Evaluation time. AV Video, 9(10), 55-64.

Magel, M. (1987, June). The workstation: Single-office production studios. AV Video, 9(6), 40-43.

Magel, M. (1987, May). They're at the post: The premastering step. AV Video, 9(5), 30-36.

Markoff, J. (1983, January 3). Interactive videodiscs act as new learning tool for IBM PC users. InfoWorld, 5(1&2), p. 18".

Marlino, M. R. (1988, June). Chemistry laboratory lessons on kinetics and equilibrium. The Videodisc Monitor, 6(6), 26-27.

Marlino, M., & Reeves, T. (1988, November). Development of living things. The Videodisc Monitor, 6(11), 24-25.

Marsh, F. E., Jr. (1982, July). Videodisc technology. Journal of the American Society for Information Science, 33(4), 237-244.

Marsh, P. (1983, March). Videodisc/microcomputer courseware design. Educational Technology, 23(3), 51-52.

Marx, R. J. (1982, March). Videodisc-based training: Does it make economic sense? Training, 19(3), 56-58, 60-61, 65.

McArthur, J. R. (1985). The development and use of videodiscs in medical education. Journal of Clinical Computing, 13(5), 145-149.

McClain, L. A. (1983, April). A friendly introduction to videodiscs. Popular Computing, 2(6), 79-82.

McCroskey, M. (1987, February). Video images: Multiple uses spur growing popularity. Technological Horizons in Education Journal, 14(6), 12-13.

Melendez, G. S. (1984, December). Interacting with a "living workbook." Foreign Language Annals, 17(6), 599-603.

Merrill, P. F., & Bennion, J. L. (1979, November). Videodisc technology in education: The current scene. NSPI Journal, 18(9), 18-19, 22-26.

Merrill, P. F., & Bunderson, C. V. (1979). Guidelines for employing graphics in a videodisc training delivery system. ISD for videodisc training systems. First annual report. Vol. III. Orem, UT: WICAT, Inc., July 1979, 61 pp. (ERIC Document Reproduction Service, ED 196 413)

Metcalf, K. K. (1988). IVD products with a future...planning for change after implementation. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 16-19). Society for Applied Learning Technology.

Meyer, R. (1985, March). How can videodiscs help your children learn. PTA Today, 10(5), 10-12.

Meyer, R. (1984, June). Borrow this new miltary technology, and help win the war for kids' minds. American School Board Journal, 171(6), 23-28.

Milheim, W. D. (1988, September/October). Learner control options as an effective strategy. Instruction Delivery Systems, 2(5), 4-6.

Milheim, W. D. & Evans, A. D. (1987, June). Using interactive video for group instruction. Educational Technology, 27(6), 35-37.

Miller, A. W. & Irving, J. W. (1988, Summer). A pragmatic approach to interactive media training programs. Journal of Interactive Instruction Development, 1(1), 25-29.

Miller, M. (1987, November). Educational opportunities of an interactive video-based information system. Cause/Effect, 10(6), 43-43.

Mole, D. (1981, Summer). The videodisc as a pilot project of the public archives of Canada. Videodisc/Videotex, 1(3), 154-161.

Molnar, A. R. (1980, November). Microcomputers and videodisc: Innovations of the second kind. Technological Horizons in Education Journal, 7(6), 58-62.

Molnar, A. R. (1979). Intelligent videodisc and the learning society. Journal of Educational Technology Systems, 8(1), 31-40.

Moriarty, P., & Ittelson, J. (1985, January). Science education and interactive technology. Paper presented to School of Communications at California State University, Chico.

Moriyama, Y. (1984, August). Optical video disc system for retrieving digital data and reproducing still picture with sound. IEEE Trans Consum Electron, 30(3), 230-235.

Muller, D. G., Levy, L., Nelson, H., & Dean, D. (1988, Summer). The role of authoring systems in the development of interactive videodisc courseware. Journal of Interactive Instruction Development, 1(1), 16-24.

Murphy, P. A. (1985). A model for improving assessment techniques used in courseware production: Proposal for change in courseware production system structure. Paper presented at the Annual Meeting of the National Council of Measurement in Education (Chicago, IL, April 1985). (ERIC Document Reproduction Service, ED 255 562)

Nave, G., & Zembrosky-Barkin, P. (1985). Interactive video in general and special education: A development manual. International Council for Computers in Education, Eugene, OR; University of Oregon, Eugene. Rehabilitation Research and Training Center in Mental Retardation.

Negroponte, N. (1979). The impact of optical videodiscs on filmmaking. June 1979, 32 pp. (ERIC Document Reproduction Service, ED 216 674)

Nievergelt, J. (1986). Interactive computer programs for education: Philosophy, techniques and examples. Reading, MA.: Addison-Wesley.

North, S. L. (1984, May). The psychology of instructional design for interactive videodisc. Videodisc and Optical Disc, 4(3), 230-232.

Novey, D. W. (1988). Techniques of physical diagnosis -- a visual approach: An example of preparing linear videotape programming for later conversion to interactive videodisc. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 173-175). Society for Applied Learning Technology.

Nugent, G.C., & Stone, C.G. (1982, September). The videodisc meets the microcomputer. American Annals of the Deaf, 127(5), 569-572.

Nugent, G. C., & Stone, C. G. (1980, May). Videodisc instructional design. Educational Technology, 20(5), 29-32.

O'Connor, R. J. (1988-89). Integrating optical videodisc and CD/ROM technology to teach art history. Journal of Educational Technology Systems, 17(1), 27-32.

O'Donnell, J., et al. (1981). Video disc program production manual. New York: Sony product communications group publication.

Olivier, W. P. (1985). Videodiscs in vocational education. ERIC Clearinghouse on Adult, Career, and Vocational Education, Columbus, OH. (ERIC Document Reproduction Service, ED 260 301)

Onosko, T. (1982, January). Vision of the future (videodiscs). Creative Computing, 8(1), 84-94.

Otto, S. E. K. (1983). Videodisc material retrieval for language teaching. System, 11(1), 47-52.

Parker, J. E., & Sharpe, S. (1988). Interactive video program on intervention in child abuse and neglect. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 194-196). Society for Applied Learning Technology.

Parker, W. (1984, October). Interactive video: Calling the shots. PC World, 2(11), 98-107.

Paris, J. (1983, April). The interfaces (videodiscs). Popular Computing, 2(6), 83-86.

Parsloe, E. (1984, December). Learning by doing. Media in Education and Development, 17(4), 201-203.

Parsloe, E. (1983, June). Interactive video. Media in Education and Development, 16(2), 83-91.

Parsloe, E. (1983). Interactive video. Winslow, Cheshire, U.K.: Sigma Technical Press. ISBN:0-905104-55-2.

Pavlonnis, T. (1988, May/June). Interactive video: A spellbinding approach to solid learning. Media and Methods, 24(5), 21-27.

Payne, P. D. (1984, September). The use of interactive video and videodisc for preservice and inservice education. Journal of Childhood Communication Disorders, 8(1), 63-78.

Pennington, R. M. (1986). The laser videodisc in education. Media Spectrum, 13(3), 9-12.

Peters, K. J., & Ranger, C. A. (1988). Interactive-video for inspiration and motivation. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 110-112). Society for Applied Learning Technology.

Peterson, L., Hofmeister, A. M., & Lubke, M. (1988, February). A videodisc approach to instructional productivity. Educational Technology, 28(2), 16-22.

Phelps, J. L. (1988). Use of digital video systems to rapidly prototype instructional videotape and interactive media materials. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 168-172). Society for Applied Learning Technology.

Pintrich, P., et al. (1984, December). An interactive research and development model for educational applications of technology. Educational Technology, 24(12), 7-11.

Podagrosi, E. G., & Taylor, W. P. (1988). Using interactive videodisc for intercontinental ballistic missile maintenance training. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 36-43). Society for Applied Learning Technology.

Pollard, G. (1985, November). The nuts and bolts of interactive video: How it works and how to get started. American Annals of the Deaf, 130(5), 386-390.

Post, D. (1983, January). Epcot information system/Carroll Touch Technology input system. Interface Age, 8(1), 27.

Pribble, R. (1985, March). Enter the videodisc. Training, 22(3), 91-99.

Price, J. (1984, November-December). The optical disk pilot program at the Library of Congress. Videodisc and Optical Disc, 4(6), 424-432.

Priestman, T. (1984, December). Interactive video and its applications. Media in Education and Development, 17(4), 182-186.

Propp, G., et al. (1980). Videodisc: an instructional tool for the hearing impaired. Lincoln: University of Nebraska, 1980, 43 pp. (ERIC Document Reproduction Service, ED 200 227)

Propp, G., et al. (1979, September). Satellite demonstration: The videodisc technology. American Annals of the Deaf, (Educational Technology for the 80's), 124(5), 652-655.

Ralph. (1985, March). Enter the videodisc. Training, 22(3), 91-99.

Reeves, P., & Glyer, S. (1988, September). Videodisc applications bring new promise to schools. Technological Horizons in Education Journal, 16(2), 68-72.

Reeves, T. C. (1988, April). Assessment of neuromotor dysfunction in infants. The Videodisc Monitor, 6(4), 26-27.

Reeves, T. C. (1986, Autumn). Research and evaluation models for the study of interactive video. Journal of Computer-Based Instruction, 13(4), 102-106.

Reid, N. (1987, June). Premastering techniques for efficient videodisc production. Educational and Industrial Television, 19(6), 32-35.

Reigeluth, C. M., & Garfield, J. M. (1984, May-June). Using videodiscs in instruction: Realizing their potential through instructional design. Videodisc and Optical Disc, 4(3), 199-215.

Reinhold, F. (1984, April). How they're using interactive videodiscs. Electronic Learning, 3(7), 56-57.

Reynolds, B. (1985, October). The anatomy of interactive videodisc. Video Systems, 11(10), 36+.

Rhodes, D., & Azbell, J. (1985, December). Designing interactive video instruction professionally. Training and Development Journal, 39(12), 31-33.

Rice, J., Jr. (1978, January 15). There's a videodisc in your future. Library Journal, 103(2), 143-144.

Ridgway, B. (1988, January). Analysis of training costs. The Videodisc Monitor, 6(1), 27.

Rist, M. C. (1984, June). Schools take to the disc a step at a time. American School Board Journal, 171(6), 28.

Roach, K. (1984, December). Interactive video: The Cardiff experience. Media in Education and Development, 17(4), 187-189.

Robson, W. (1975, December). Is it true what they say about videodiscs? Training, 12(12), 80-82.

Rogers, E. M. (1986). Communication technology: The new media in society. New York: Free Press.

Roman, D. (1984, October). Training videodiscs. Computer Decisions, 16(13), 78-84.

Russell, A. A. (1984, October). From videotapes to videodiscs: From passive to active instruction. Journal of Chemical Education, 61(10), 866-868.

Sales, G. C., Gordon, J., & Anderson, R. (1986, November-December). Videodisc design is easier -- and less expensive -- than you think. TechTrends, 31(5/6), 30-33.

Sales, T. D., & Dodd, K. L. (1988, November/December). The Travelers Companies turn to IVD to address national training issues. Instruction Delivery Systems, 2(6), 15, 18, 20-21.

Schipma, P. B. (1981, Summer). Videodisc for storage of text. Videodisc/Videotex, 1(3), 168-172.

Schneider, E. W. (1976, May). Videodiscs, or the individualization of instructional television. Educational Technology, 16(5), 53-58.

Schneider, E. W. (1975). Applications of videodisc technology to individualized instruction. Provo, UT: Brigham Young University, Division of Instructional Research, Development, and Evaluation, September 1975, 22 pp. (ERIC Document Reproduction Service, ED 158 722)

Schneider, E. W., & Bennion, J. L. (1983). Veni, vidi, vici via videodisc: A simulator for instructional conversations. System, 11(1), 41-46.

Schwerin, J. (1984, March-April). The reality of information storage, retrieval, and display using videodiscs. Videodisc and Optical Disc, 4(2), 113-121.

Schwier, R. (1987). Interactive video. Englewood Cliffs, NJ: Educational Technology Press. ISBN:0-87778-206-7.

Seger, K. (1984, August). PC + video: Working partners. PC World, 2(9), 200-206.

Shaner, R. A. (1988). Potentials for interactive video at the secondary level. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 143-144). Society for Applied Learning Technology.

Shea, T. (1982, September 6). Interactive videodisc debuts as a teaching tool on Iowa campus. InfoWorld, 4(35), 22.

Silverstein, J. (1987, August). Designing for IVD: More than meets the eye. Educational and Industrial Television, 19(8), 20-22.

Sinnett, D., & Edwards, S. (1984). Authoring systems: The key to widespread use of interactive videodisc technology. Library Hi Tech, 2(4), 39-50.

Smith, E. E. (1987). Interactive video: An examination of its use and effectiveness. Journal of Instructional Development, 10(2), 2-10.

Smith, S. G., Jones, L. L., & Waugh M. L. (1986, Autumn). Production and evaluation of interactive videodisc lessons in laboratory instruction. Journal of Computer-Based Instruction, 13(4), 117-121.

Smith, T. M., & Andrews, K. G. (1985, Spring). Computer-assisted video instruction: Promises and pitfalls. Computers in the School, 2(1), 65-74.

Sonnemann, S. S. (1983, January). The videodisc as a library tool. Special Libraries, 74(1), 7-13.

Souter, G. A. (1988). The disconnection: How to interface computers and video. White Plains, NY: Knowledge Industry Publications. ISBN:0-86729-218-0.

St. Lawrence, J. (1984, April). The interactive videodisc: Here at last. Electronic Learning, 3(7), 49-52.

Stewart, S. (1985, May). Pharmaceutical videodiscs: Marketing with continual medical education. Videodisc and Optical Disc, 5(3), 216-220.

Stokes, R. (1988). Back to basics: Videodisc programs for math skills. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 113-114). Society for Applied Learning Technology.

Stone, C. G., & Nugent, G. (1982, July). Think it through: An interactive videodisc for the hearing impaired. Johns Hopkins APL Tech Digest, 3(3), 238-240.

Strauss, R. (1988, January). What is instructional design, and why is it so important to interactive video instruction? The Videodisc Monitor, 6(1), 16-17.

Streibel, M. J. (1984, May-June). Dialog design and instructional systems design for an intelligent videodisc system. Videodisc and Optical Disc, 4(3), 216-229.

Strohmer, J. C. (1988, April). A model for the design of videodisc. Educational Technology, 28(4), 38-40.

Sturm, R. (1985, March). High tech breakthrough: Interactive videodisc. Wilson Library Bulletin, 59(7), 450-452.

Sustik, J. M. (1981, November). An interactive videodisc project in art history. Performance and Instruction Journal, 20(9), 10-13.

Tarrant, M. R., Kelly, L. E., & Walkley, J. (1988, January). Project management guidelines to instructional interactive videodisc production. Educational Technology, 28(1), 7-18.

Thorkildsen, R. (1985, November). Using an interactive videodisc program to teach social skills to handicapped children. American Annals of the Deaf, 130(5), 383-385.

Thorkildsen, R. (1982). Microcomputer/videodisc authoring system for instructional programming. Paper presented at the Annual Meeting of the American Educational Research Association (New York, NY, March 19-23, 1982). (ERIC Document Reproduction Service, ED 227 841)

Thorkildsen, R., Allard, K., & Reid, B. (1983, April). The interactive videodisc for special education project: Providing CAI for the mentally retarded. Computing Teacher, 10(8), 73-76.

Thorkildsen, R. & Friedman, S. (1984, April). Videodisks in the classroom. Technological Horizons in Education Journal, 11(7), 90-95.

Thorkildsen, R., & Hofmeister, A. (1984). Interactive video authoring of instruction for the mentally handicapped. Exceptional Education Quarterly, 4(4), 57-73.

Tross, G., & Di Stefano, M. F. (1983). Interactive video at Miami-Dade Community College. 1983, 10 pp. (ERIC Document Reproduction Service, ED 230 256)

Troutner, J. (1983, January). How to produce an interactive video program. Electronic Learning, 2(4), 70-75.

Turner, J. M. (1988). Chemical education videodiscs for high school teacher training. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 127-132). Society for Applied Learning Technology.

Tuscher, L., & Harvey, F. (1985, October). Developing authoring tools and demonstration courseware for intelligent interactive video systems. Technological Horizons in Education Journal, 13(3), 85-88.

Tymony, C. (1984, July). Computer control of a video recorder. BYTE, 9(7), 179-183.

Veenis, S. (1988, May-June). Home interactive systems: New media for an information society and its technological innovations. Optical Information Systems, 8(3), 127-133.

Walker, C. L. (1979). Computer controlled videodisc/videoplayer system. Journal of Educational Technology Systems, 8(3), 201-106.

Watson, J. A., Meshot, C. J., & Hagaman, W. H. (1988, November/December). Repurposing: The best chance for videodisc in education? Instruction Delivery Systems, 2(6), 11-14.

White, R. H. (1988, November). An open architecture approach to interactive video implementation. The Videodisc Monitor, 6(11), 20-21.

Winquist, K. J., Birdsell, J., Johnson, J., Crowell, C., & Miller, A. (1987, February). Course design for training secondary teachers to develop interactive videodisc courseware. Technological Horizons in Education Journal, 14(6), 68-72.

Wild, M. J. (1988). Designing to make full use of Infowindow's capabilities. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 94-96). Society for Applied Learning Technology.

Williams, K. (1984, December). Interactive videodisc at the Open University. Media in Education and Development, 17(4), 193-195.

Wilson, L. (1983, November). Interactive video: A step toward natural learning. Performance and Instruction Journal, 22(9), 32-33.

Wilson, R. (1985, March). VHD -- the United Kingdom story. Videodisc and Optical Disc, 5(5), 148-155.

Wilson, R. L. (1983, November). Interactive video: What makes it work? Performance and Instruction Journal, 22(9), 25-27.

Winslow, K. (1975, May). A videodisc in your future. Educational and Industrial Television, 7(5), 21-22.

Winslow, K. (1974, November). Videodiscs: Reality begins (almost). Educational and Industrial Television, 6(11), 36-40.

Withrow, F. B. (1985-1986). The videodisc: An educational challenge. Journal of Educational Technology Systems, 14(2), 91-99.

Withrow, F. B. (1985, Fall). Videodiscs: the thinking person's audiovisual. American Educator: The Professional Journal of the American Federation of Teachers, 9(3), 22-25, 40, 42.

Wolff, M. (1985, June). Laser discs and VCR can help you market your products and services. Bottomline, 2(6), 13-16.

Wollman, J. (1983, April). Videodisc applications. Popular Computing, 2(6), 81-82.

Wollman, J. (1981, December). Videodisc: A new educational technology takes off. Electronic Learning, 1(2), 38-40

Wood, R. K., & Stephens, K. G. (1978, January-February). An educator's guide to videodisc technology. People's Computers, 6(4), 12-13.

Wood, R. K., & Woolley, R. D. (1980). An overview of videodisc technology and some potential applications in the library, information, and instructional sciences. Syracuse, NY: ERIC Clearinghouse on Information Resources, December 1980, 37 pp. (ERIC Document Reproduction Service, ED 206 328)

Woods, R. S. (1988). Do or die: a case for expanding corporate wellness programs. Combined Proceedings of the Sixth Annual Conference on Interactive Instruction Delivery and Third Annual Conference on Learning Technology in the Health Care Sciences (pp. 20-23). Society for Applied Learning Technology.

Woodward, H. (1983, November). Talents and tolerance: Writing interactive video. Performance and Instruction Journal, 22(9), 17-20.

Worcester, C. (1983, November). Interactive video--a new video: An ex-filmmaker's perspective. Performance and Instruction Journal, 22(9), 14-16.

Yampolsky, M. (1983, Fall). Word processor training on intelligent videodisc. Videodisc/Videotex, 3(4), 281-289.

Young, J. I. (1984, Summer). Videodisc simulation: Tomorrow's technology today. Computers in the Schools, 1(2), 49-57.

Zakariya. S. B. (1984, June). Here's why most schools don't use videodiscs--yet. American School Board Journal, 171(6), 26-27.

Zeigler, T. W. (1986, Winter). Learning technology with the interactive videodisc. Journal of Studies in Technical Careers, 8(1), 53-60.

Zollman, D. (1984, January). Videodisc-computer interfaces. Educational Technology, 24(1), 25-27.

Zollman, D., & Fuller, R. (1982, October). The puzzle of the Tacoma Narrows bridge collapse: An interactive videodisc program for physics instruction. Creative Computing, 8(10), 100-109.

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The authors acknowledge the contribution of the following citations from which some references for this monograph were drawn:

Daynes, R., & Butler, B. (1984). The videodisc book: A guide and directory. New York: John Wiley & Sons, Inc. ISBN: 0-471-80342-1

Edison-Swift, P. D. (1986, April). Interactive Video Resources. North Central Computer Institute Staff Paper Series, No. 15. Madison, WI.

Jackson, E.K. (1986, October). Interactive Video Literature Base. Columbus: Ohio State University, Instruction and Research Computer Center.

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